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**ABSTRACT OF THE DISCLOSURE**

The radiation characteristics of an antenna are made configurable including in the antenna a plurality of radiating elements and associating to each of said radiating elements a respective chain for processing the signal in transmission and/or reception with a module for weighting digital signals capable of applying to a digital signal at least a respective weighting coefficient and an antenna conversion set interposed between the module for weighting digital signals and one of the radiating elements of the antenna. The antenna conversion set operates on a digital signal on the side of the signal weighting module and on an analogue signal distributed on the processing chains associated to each radiating element of the antenna propagates (in transmission and/or reception), while respective weight coefficients are applied to said digital signal weighting modules. The weighting coefficients determine the radiation diagram of the antenna.